



Interoffice Memo Office of Design Policy & Support

DATE: 4/26/2021

FILE: P.I.# 0013726
Fayette County / GDOT District 3 - Thomaston
SR54 @ SR74 – Displaced Left Turn

FROM: *Dane Peters*
for R. Christopher Rudd, PE, State Design Policy Engineer

TO: SEE DISTRIBUTION

SUBJECT: APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

Distribution:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3
Albert Shelby, Director of Program Delivery
Darryl VanMeter, Assistant Director of P3/State Innovative Delivery Administrator
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Tyler Peek, District Engineer
Adam Smith, District Preconstruction Engineer
Harland Smith, District Planning & Programming Coordinator
William Boyd, Area Manager - D3, A5
Randy Blair, Project Manager
BOARD MEMBER - 3rd Congressional District



Location and Design Report

DATE: 2/8/2021

FILE: P.I.# 0013726
Fayette County / GDOT District 3 - Thomaston
SR 54 @ SR 74

Michelle Jim for

FROM: *for* Kimberly W. Nesbitt, State Program Delivery Administrator

TO: R. Christopher Rudd, P.E., State Design Policy Engineer
Attn: Dave Peters, P.E., State Conceptual Design Group Manager

SUBJECT: Request for Location and Design Approval

Description and Project Proposal: PI No. 0013726 is an intersection improvement project located in Peachtree City, Fayette County, Georgia. The proposed project is 0.4 miles in length along State Route (SR) 74, beginning at the intersection of Clover Reach and ending 622 feet north of Commerce Court. The project would construct a Displaced Left Turn (DLT) intersection at the existing intersection of SR 54 and SR 74. The existing typical section of SR 74 currently consists of four to six through lanes with widths varying between 10 and 12 feet. The urban corridor includes a 20-foot to 30-foot raised median, as well as 5-foot to 6-foot sidewalks. The existing typical section of SR 54 currently consists of four through lanes with widths varying between 10 and 12 feet, and the urban corridor includes a 20-foot to 30-foot raised median and 5-foot to 6-foot sidewalks. Both roadways currently include right-turn and left-turn lanes. As part of project implementation, the typical sections of SR 54 and SR 74 would be adjusted to include 12-foot travel lanes. In addition, the median widths would be adjusted to vary between 10 and 36 feet in order to accommodate the DLT configuration of the intersection. The existing right-of-way (ROW) of SR 54 currently varies in width between 140 and 175 feet, and the existing ROW of SR 74 varies in width between 140 and 205 feet. The proposed ROW for SR 54 would vary in width between 140 and 190 feet, and the proposed ROW for SR 74 would vary in width between 140 and 210 feet.

Concept Approval Date: July 24, 2018

Concept Update: Revisions to the concept that have occurred include the following:

1. Converting the proposed free flow SR 74 Southbound right-turn lane and SR 54 Westbound auxiliary lane between SR 74 and Marketplace Boulevard to signalized dual right-turn lanes.
2. Converting the proposed free flow merge from the SR 54 Eastbound right-turn lane and SR 74 Southbound auxiliary lane between Circle Gate and Clover Reach to a signalized right-turn lane that merges into the existing outside lane of SR 74 Southbound.
3. Reducing the limits of the expansion of the third SR 74 Southbound through lane north of SR 54 by 350 feet to avoid impacting two jurisdictional streams that will be outside the new limits of the project. These streams included one perennial stream crossing SR 74 and one intermittent stream running parallel to SR 74.

4. The typical sections of SR 74 and SR 54 have been modified to reflect the following changed conditions:
 - a. Removal of SR 54 Westbound auxiliary lane west of SR 74
 - b. Addition of second right turn lane for SR 74 Southbound at SR 54
 - c. Removal of SR 74 Southbound auxiliary lane south of SR 54
 - d. Increased width of narrow medians on SR 74 from 6 feet to 8 feet

Environmental Document Type: NEPA - CE

Approval Date: [April 26, 2021](#)


Public Involvement:

- Public Information Open House summary:
 - Meeting held on January 23, 2020 at the Peachtree City Library was attended by 158 persons
 - Total of 45 comments were received during and after the meeting with 14 comments supporting the project, 9 comments uncommitted, 10 comments conditional and 12 comments opposed to the project.
 - Major Concerns expressed in the comments were as follows:
 - Please eliminate entry/exit into West Park Walk Shopping Center from SR 54
 - Design does not do enough to alleviate excessive queueing/congestion during peak travel times
 - Lengthen all turn lanes to accommodate excessive queueing during peak travel periods
 - Project does not do enough to address the issues along SR 54, and focuses too much on SR 74
 - Concerns regarding signal timing along the corridor and how it contributes to traffic congestion
 - Concerns that the proposed improvements would increase cut-through traffic for adjoining residential communities
 - Concerns that design is too confusing, and that those who are unfamiliar with Displaced Left Turn Intersections may cause an increase in accidents
 - Fourteen local public officials attended the meeting as follows:
 - Mike King, City Councilman, Peachtree City
 - David Borkowski, City Engineer, Peachtree City
 - Chris Perkins, Field Representative, US Senator David Purdue's Office
 - Randy Ognio, Chairman – Board of Commissioners, Fayette County
 - Josh Bonner, GA Representative – District 72, Georgia House of Representatives
 - Janet Moon, Chief of Police, Peachtree City
 - Christy Dunkelberger, Magistrate Judge, Fayette County
 - Joseph O'Connor, Fire Chief, Peachtree City
 - Andrew O'Connor, Planning Department, Peachtree City
 - Vanessa Fleisch, Mayor, Peachtree City
 - Eric Maxwell, Commissioner – Board of Commissioners, Fayette County
 - Robert Kurbes, Environmental Health Manager, Fayette County

- Jon Rorie, City Manager, Peachtree City
- Phil Mallon, Director of Public Works, Fayette County
- Based on input from GDOT District 3 Office and public comments the following design revisions were implemented into the project or were assigned as District 3 projects:
 - Proposed SR 74 Southbound free flow right turn at SR 54 and related SR 54 Westbound auxiliary lane between SR 74 and Market Place Boulevard were replaced with signalized dual right turn lanes.
 - Existing SR 54 median opening at Commerce Drive will be closed by a GDOT District 3 Quick Response project.
 - Proposed SR 74 narrow median widths were increased from 6 feet to 8 feet
- Peachtree City Council Meeting Presentation Summary:
 - Regular semimonthly meeting held on January 16, 2020 at the Peachtree City Hall
 - Keith Strickland, Consultant Project Manager, gave a brief PowerPoint presentation which was an overview of the project
 - Mr. Strickland responded to questions from City Council members

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

Concur:  4/12/21
GDOT Director of Engineering Date

Approve: _____ 4/13/2021
For GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL:

April 26, 2021

*(To be entered by State Conceptual Design
Group Manager)*

Attachments:

- Project Location Map
- Typical Sections
- Notice of Location and Design Approval

Project Location Map:



SHOULDER 9'-6"

SIDEWALK 5'

2'

2'-6"

RT TURN LANE VARIES 0.00' - 9.52'

VARIES 35.53' - 50.87'

TRAVEL LANE VARIES 11.53' - 17.35'

TRAVEL LANE 12'

TRAVEL LANE 12'

RAISED CONCRETE MEDIAN (INTERGRAL) 8'-0"

S.R. 74

LEFT TURN LANE VARIES 12' - 14.10'

TRAVEL LANE 12'

TRAVEL LANE 12'

TRAVEL LANE 12'

36'-0"

RIGHT TURN LANE VARIES 0' - 12'

WATCH EXISTING

WATCH EXISTING

FLUSH MEDIAN 6"

SEE NOTE 5

2X

1

M

G

A

B

C

E

A

F

J

A

TYPICAL SECTION NO. 1

SR 74/JOEL COWAN PKWY SOUTH OF SR 54/W LANIER AVE

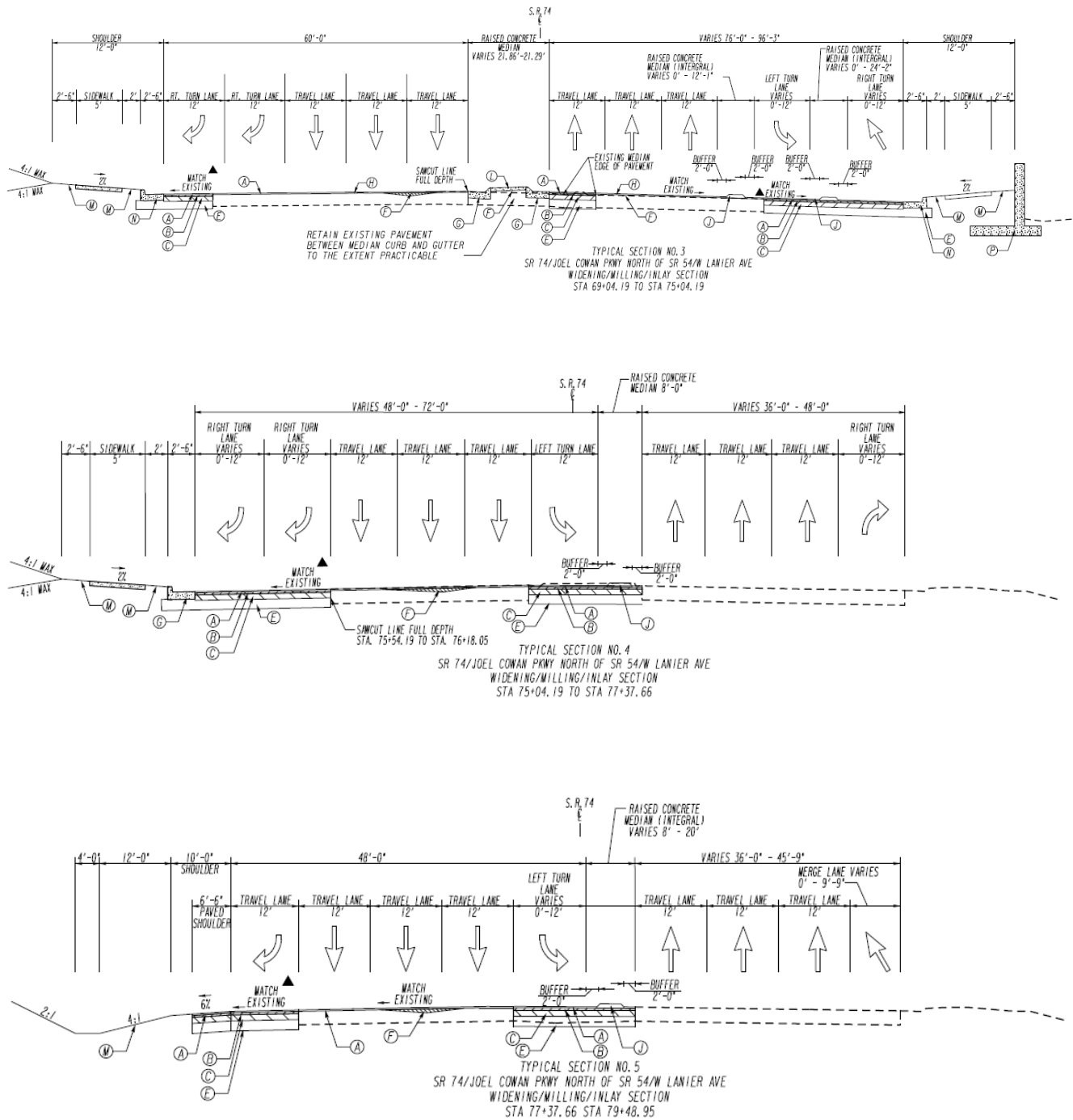
WIDENING/MILLING/INLAY SECTION

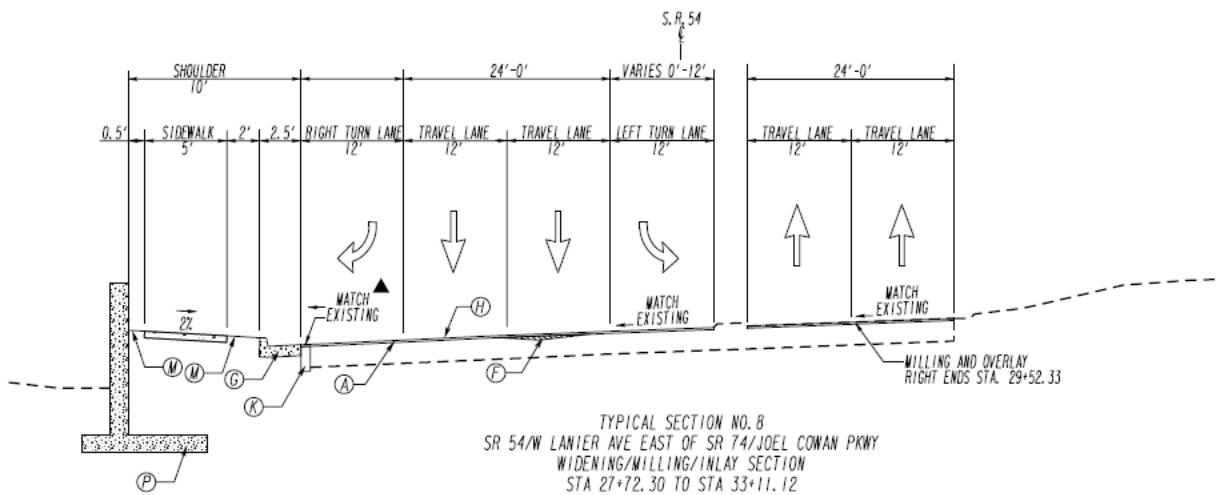
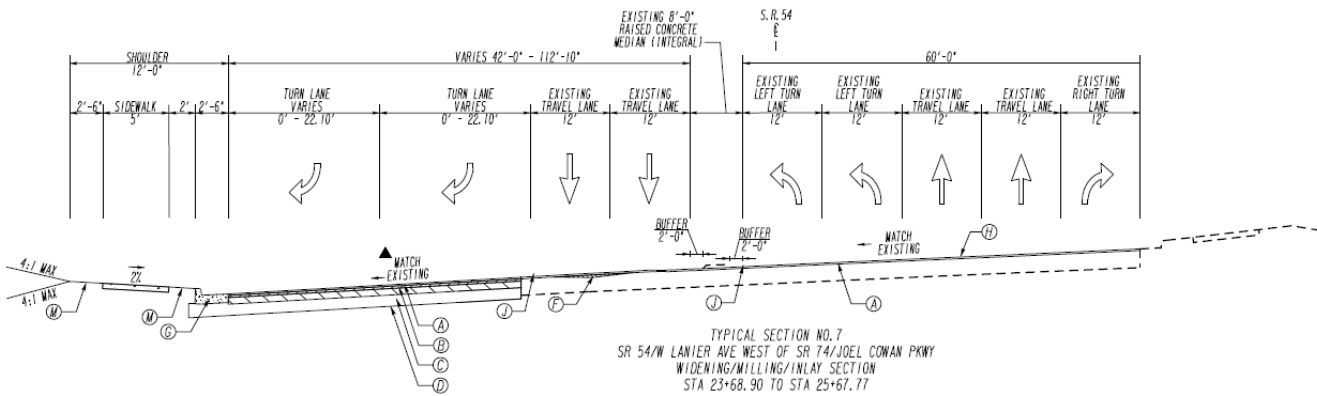
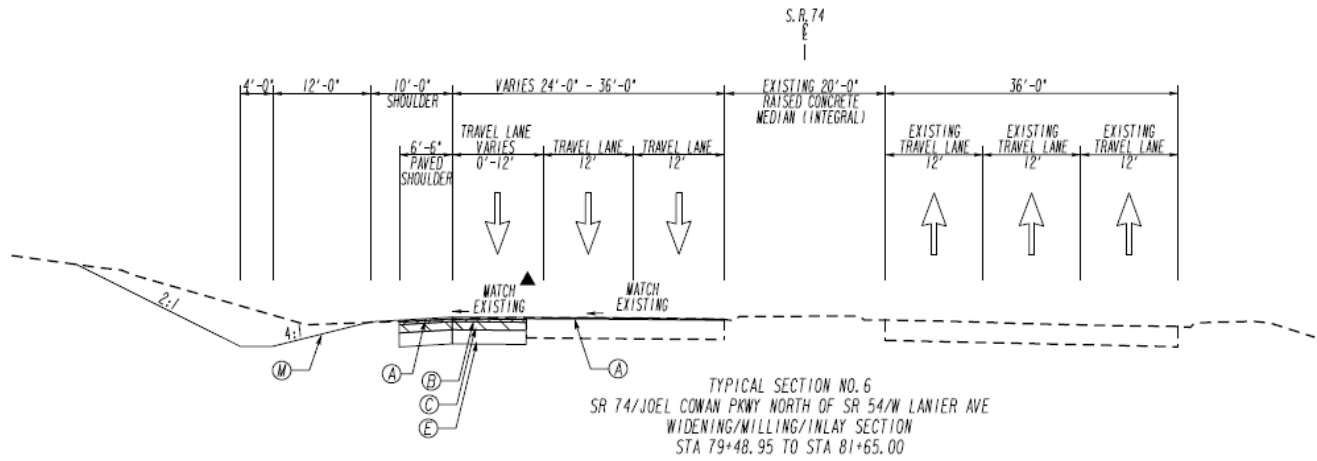
STA 60+91.08 TO STA 63+50.00



1. LOCATION OF EXISTING PAVEMENT VARIES WITH RESPECT TO THE PROPOSED CENTERLINE.
2. SUPERELEVATION RATE TO MATCH EXISTING PAVEMENT
3. ALL EXISTING PAVEMENT SHALL BE MILLED AND INLAID 1.5 INCHES
4. PROPOSED WIDENING CROSS-SLOPES SHALL MATCH THE SLOPE OF THE EXISTING PAVEMENT ADJACENT TO THE WIDENING.
5. BEGIN MILLING AND INLAY ON RIGHT SIDE AT STA. 60+44.28
6. TYPICAL SECTION 1 GRAVITY WALL BEGINS AT 62+87.57
7. SEE GA STD 1401 FOR PAVEMENT PATCHING DETAILS.

- (A) RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME (165 LBS/SY, 1.5")
- (B) RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LBS/SY, 2")
- (C) RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (550 LBS/SY, 5")
- (D) GR AGGR BASE CRS, INCL MATL (10")
- (E) GR AGGR BASE CRS, INCL MATL (12")
- (F) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
- (G) CONC CURB & GUTTER, 8 IN X 30 IN, TP 7
- (H) MILL ASPH CONC PVMT, 1 1/2 IN DEPTH
- (I) CONCRETE GRAVITY WALL WITH HANDRAIL
- (J) CONCRETE MEDIAN, 4 IN TP 7 CURB FACE (NON-DOWELED)
- (K) CLASS B CONC. BASE OR PVMT WIDENING
- (L) CONCRETE MEDIAN, 4 IN
- (M) SOD
- (N) CONC CURB & GUTTER, 8 IN X 30 IN, TP 2
- (P) CONCRETE PARAPET RETAINING WALL





NOTICE OF LOCATION AND DESIGN APPROVAL

P. I. 0013726

FAYETTE COUNTY

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is: April 26, 2021

PI No. 0013726 is an intersection improvement project located in Peachtree City, Fayette County, Georgia (Land District 7). The proposed project would construct a Displaced Left Turn (DLT) intersection at the existing intersection of State Route (SR) 54 and SR 74. The existing left turn movements in each direction on SR 74 at SR 54 would be relocated to new cross over intersections on SR 74 about 500 feet prior to the SR 54 intersection.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

William Boyd, Area Manager
District 3 Area 5
wboyd@dot.ga.gov
1107 Hogansville Road
LaGrange, GA 30240
(706) 845-4115

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Kimberly Nesbitt, State Program Delivery Administrator
GDOT Office of Program Delivery
Attn: Randy Blair, GDOT Project Manager
rblair@dot.ga.gov
600 West Peachtree St NW, Suite 1550
Atlanta, GA 30308
(404) 865-3486

Any written request or communication in reference to this project or notice SHOULD include the P.I. Number as noted at the top of this notice.